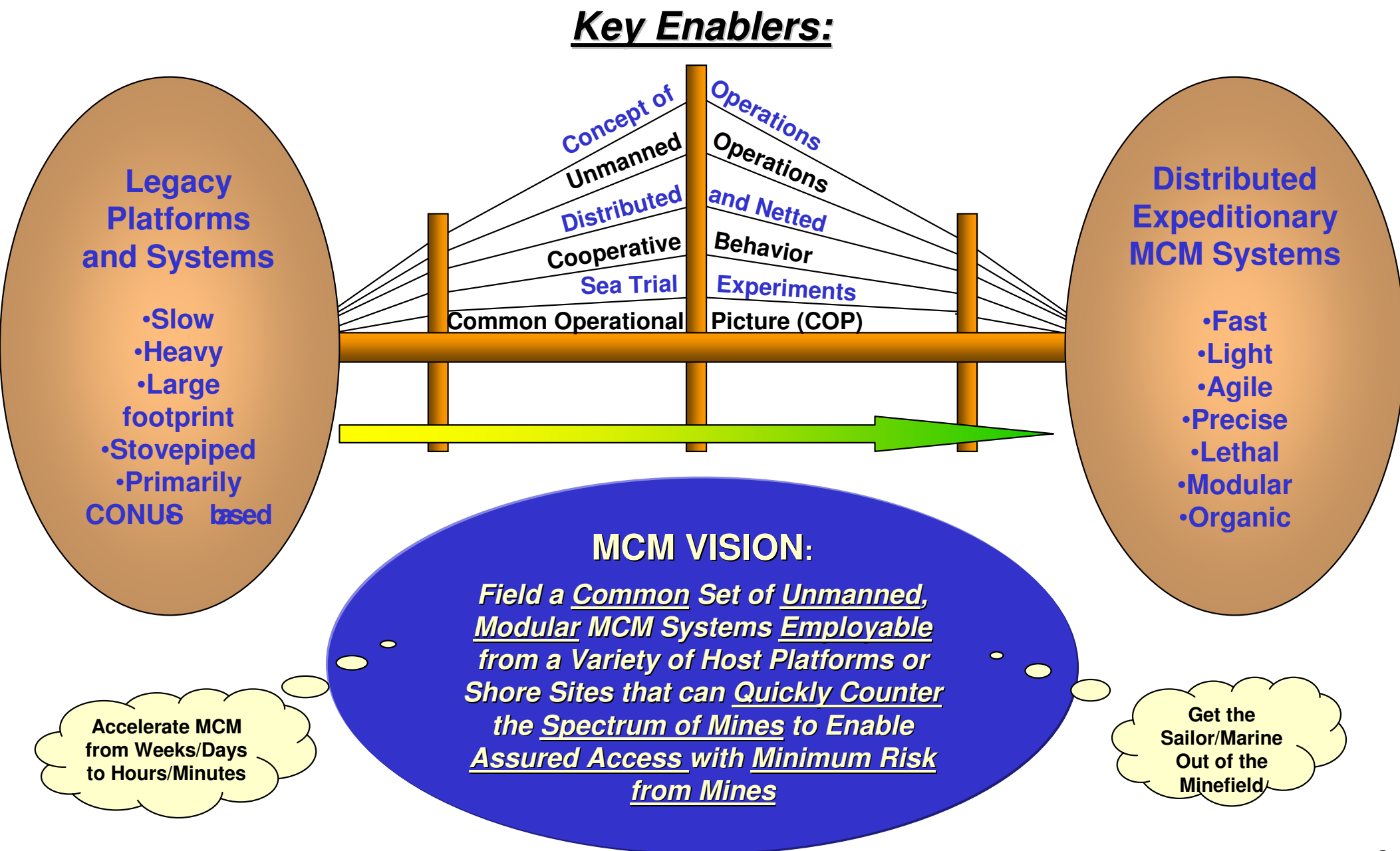

***FY06 U.S. Naval
Mine Countermeasures
- Challenges and Vision***

**RDML Michael LeFever
Deputy Director
Expeditionary Warfare Division, N75**

4 August 2004

MCM Vision



Notional MCM Future CONOPS: Tactical View

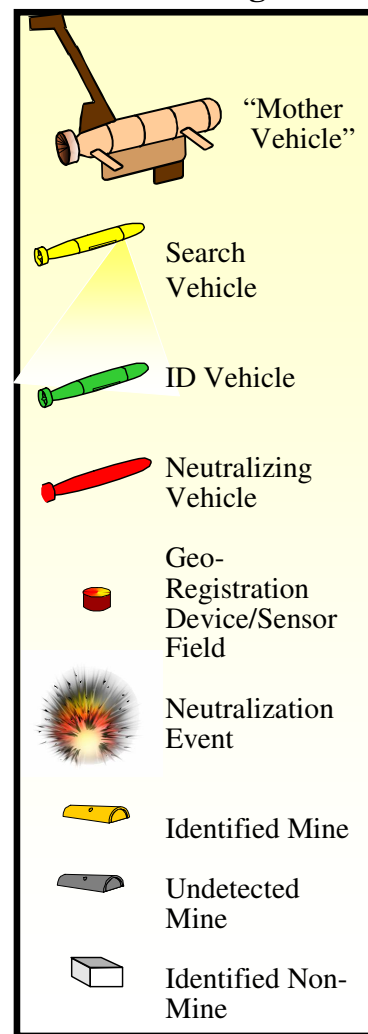
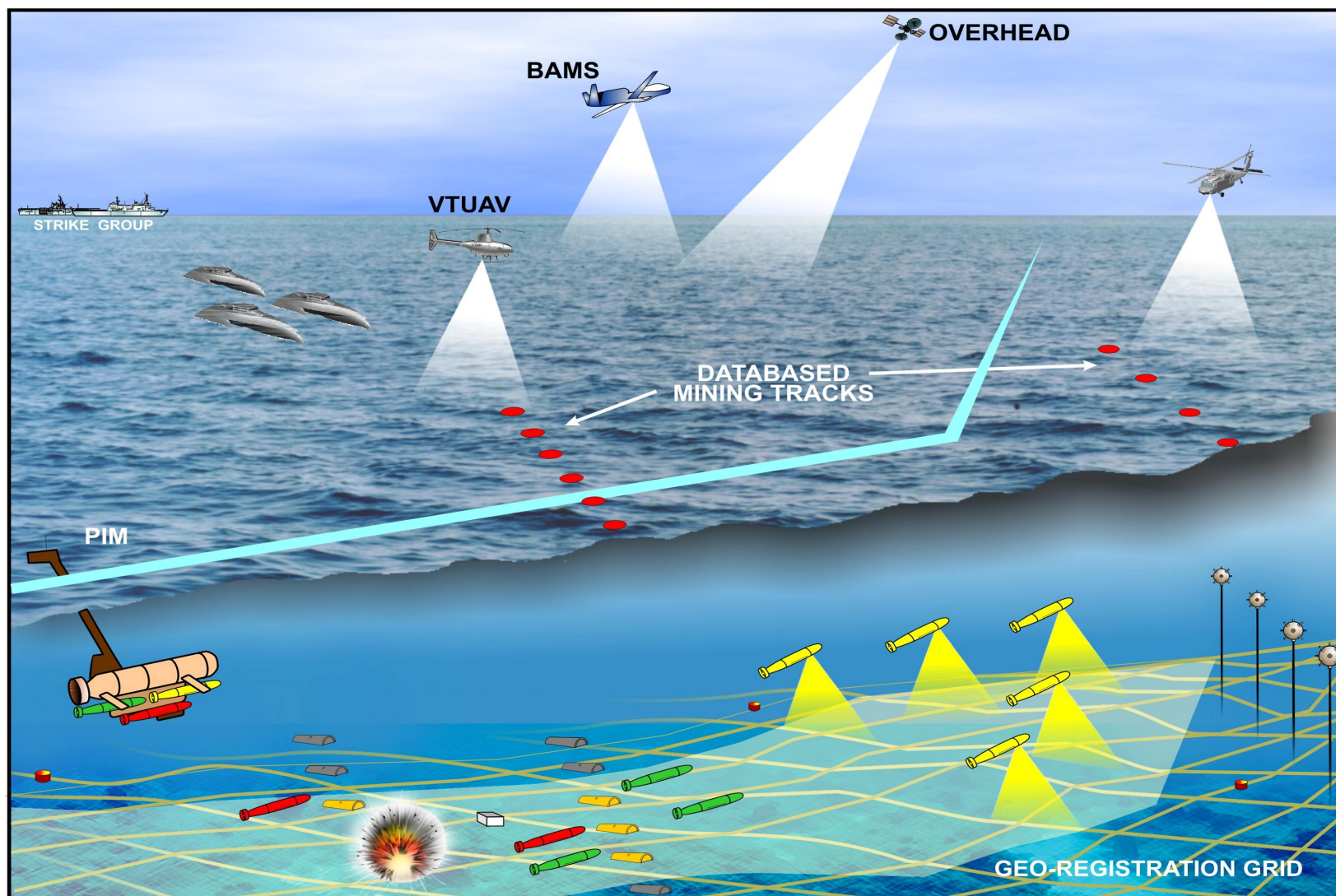
Unmanned Nodes

Distributed, Offboard
Cooperative & Netted
MCM Capability

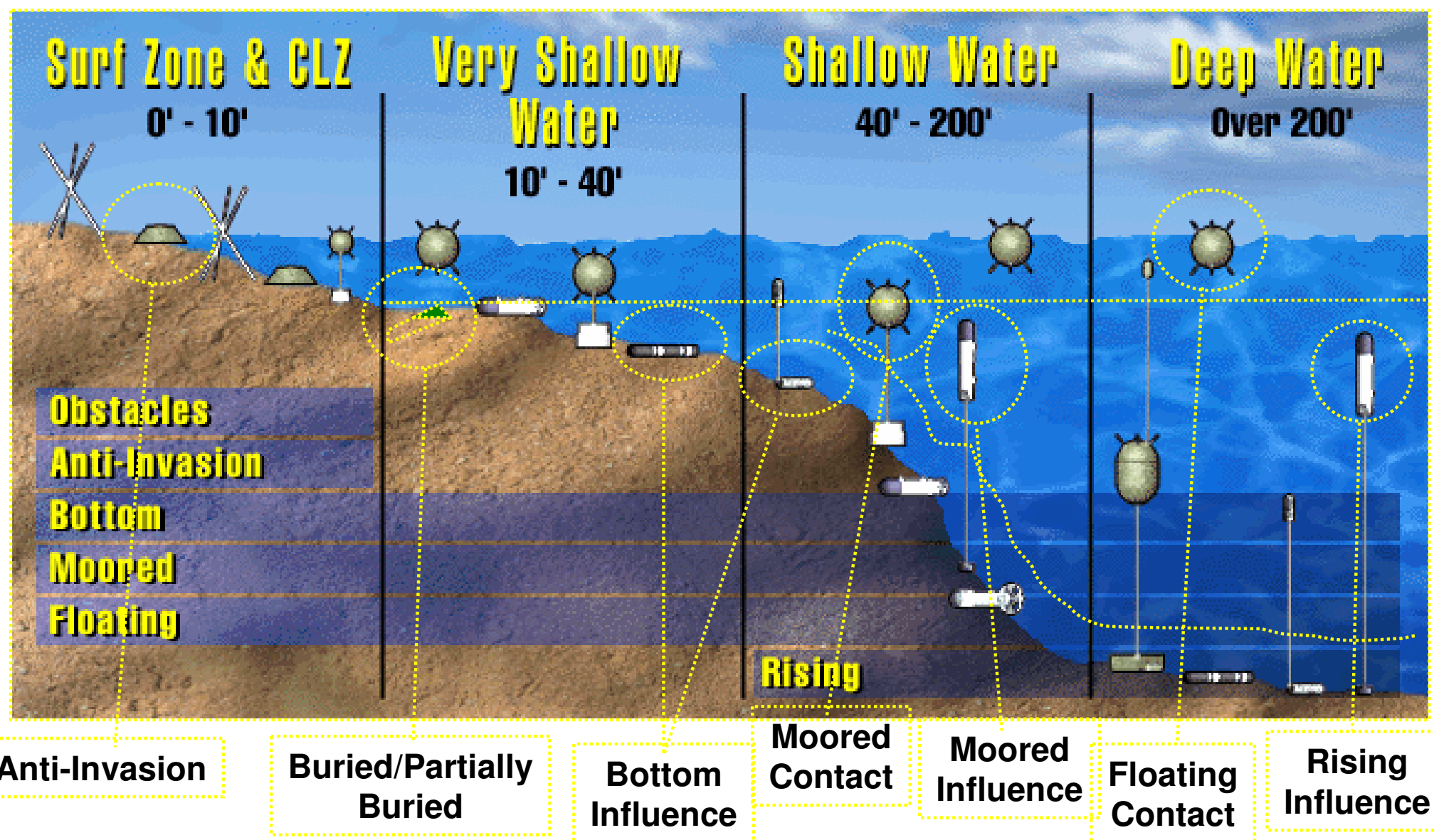
ISR/IPB ENABLED

Database Mining

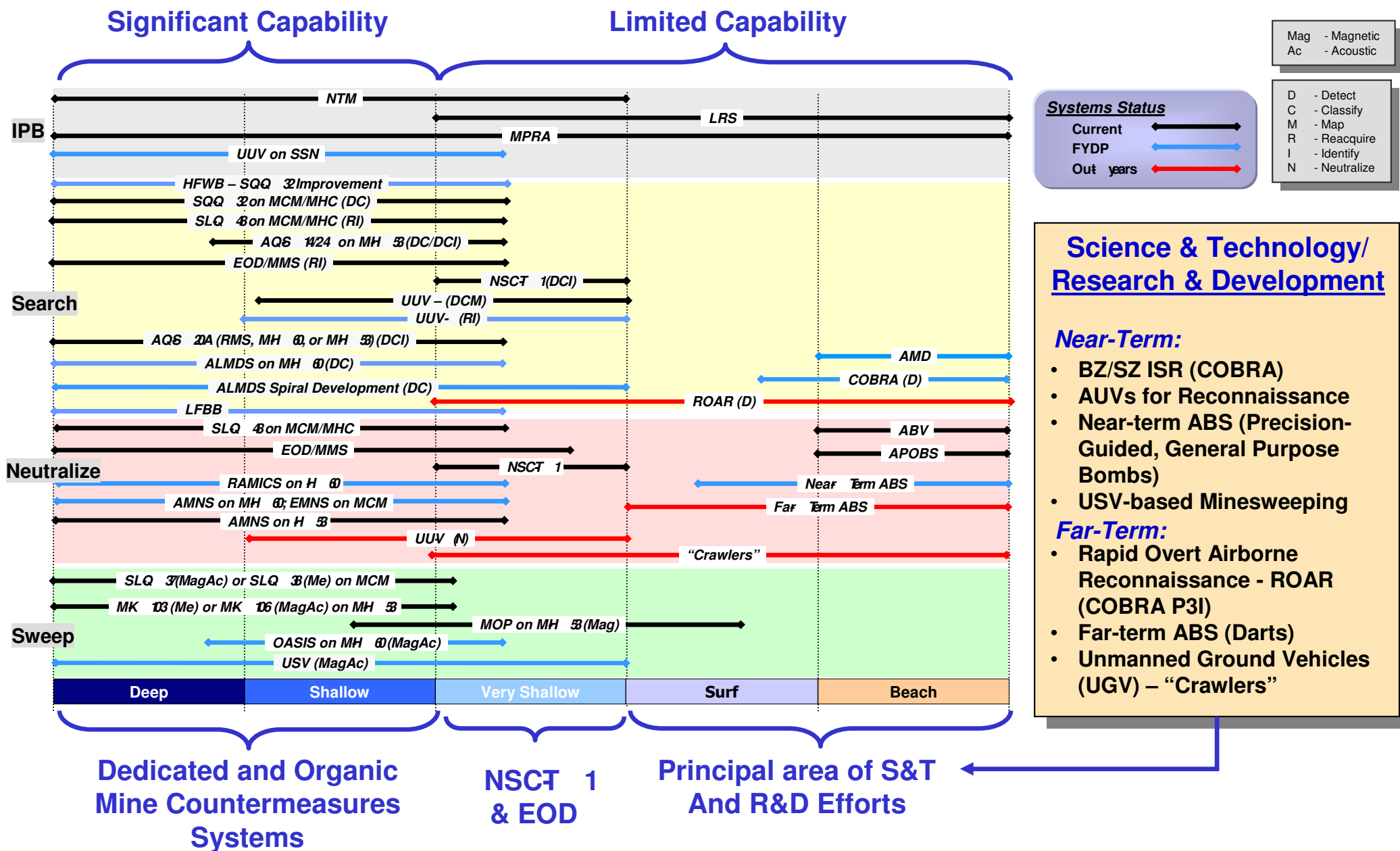
Geo-Registration
Sensor Fields
Pattern Recognition
Smart Cueing



The Littoral Threat Environment



Capability Continuity

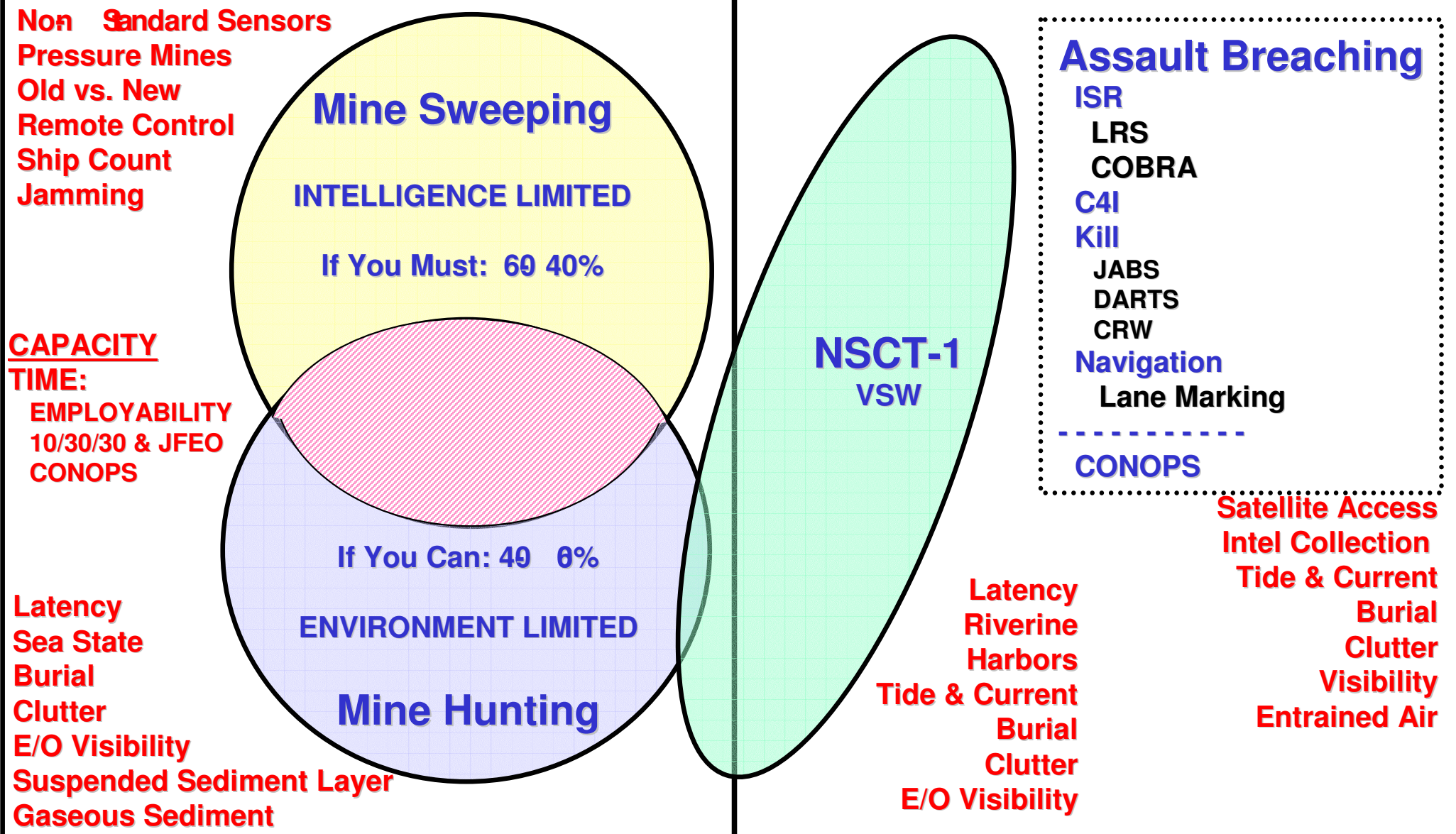


MCM Capability Context

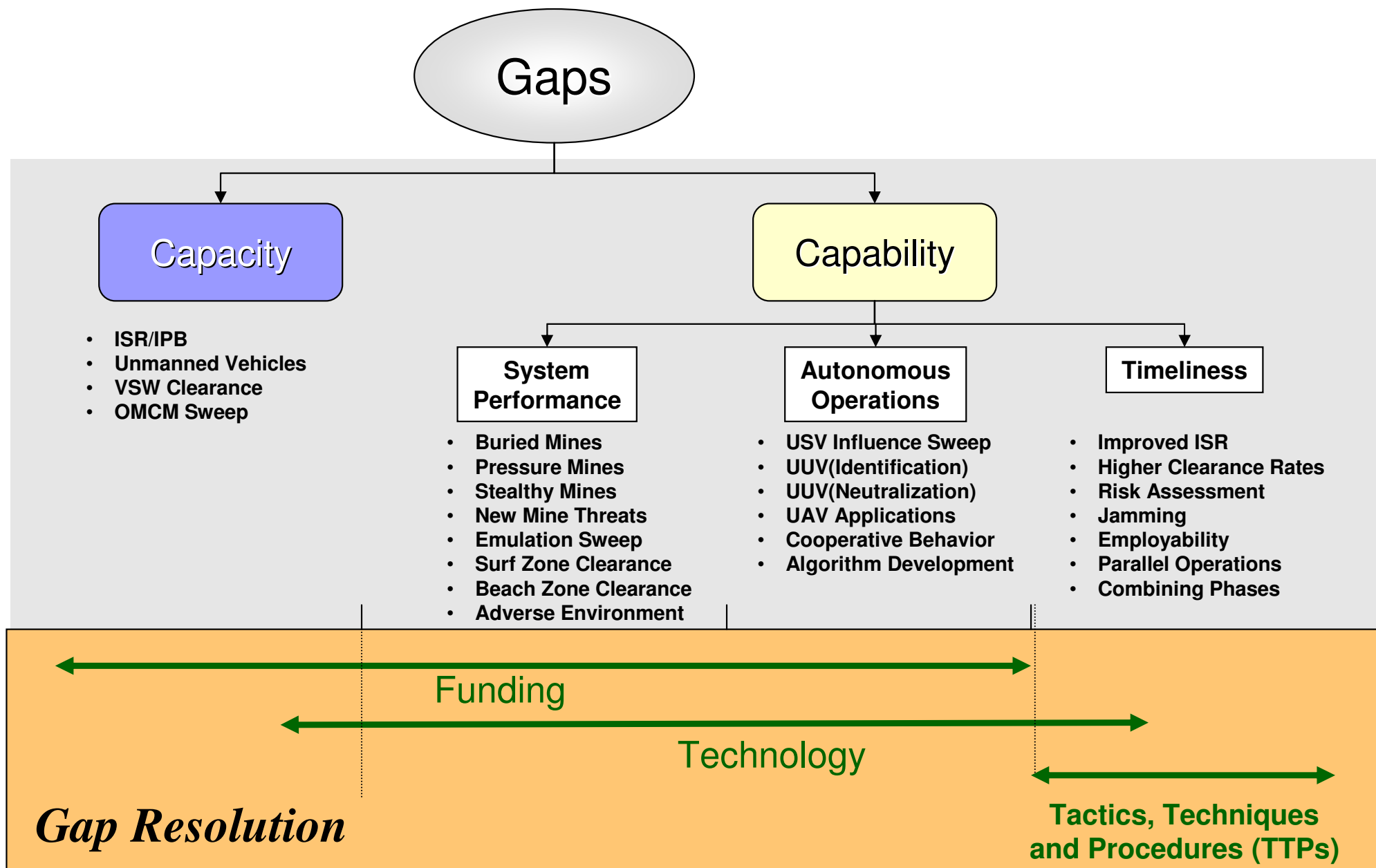
Deep Water

~40'

Beach



MCM Gaps



Conclusions

- § S&T Efforts Critical to Achieving Vision
 - § Unmanned Vehicles
 - § Increased Capacity
 - § Man Out of the Minefield
 - § Sensor Development
 - § Employment From Unmanned Vehicles
 - § Fill Capability Gaps
 - § Advanced Processing
 - § Sensors – Detection / Classification / ID
 - § Behaviors – Merge: Hunt / Classification / ID / Neutralization
 - § Deliver an Effective Assault Breaching Capability